**Section: Programming (Advocate: Manish Gadhvi)**

**Provide a definition of what an algorithm is and outline the process in building an application.**

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| **Link:** <https://github.com/LukeShead/Glossary-of-Tech-Terms#5-algorythm-> Algorithm |
| I believe this link justifies me passing this criteria as it clearly explains the process of building an application with the definition of what an algorithm is. |

**Give explanations of what procedural, object orientated and event driven paradigms are; their characteristics and the relationship between them.**

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| **Link:** <https://github.com/LukeShead/Glossary-of-Tech-Terms#6-program-paradigms->  **Link:** <https://github.com/LukeShead/Glossary-of-Tech-Terms/blob/master/README.md#relationships-between-them> |
| I believe this link justifies me passing this criteria as the area gives descriptions of the three paradigms and describes all 3 and how they interact with each other. |

**Write a program that implements an algorithm using an IDE.**

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| **Link:** <https://github.com/LukeShead/Project-02#the-ide-i-used-was-replit> |
| I believe this link justifies me passing this criteria as in the project repo I describe how I used Repl.it as my IDE and how it helped me implement my algorithm with the features such as syntax colouring. |

**Explain the debugging process and explain the debugging facilities available in the IDE.**

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| **Link:** <https://github.com/LukeShead/Project-02#debugging> |
| I believe this link justifies me passing this criteria as the paragraph explains how debugging takes place and how an IDE can help with debugging using it’s own debugger and how it affects the project development. |

**Outline the coding standard you have used in your code.**

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| **Link:** <https://github.com/LukeShead/Project-02#coding-standards-i-use> **Coding Standards section.** |
| I believe this link justifies me passing this criteria as the as it describes how the coding standards I have used helps me write and understand code, it also explains how my coding standard helps with reading and neatness of code. |

**Determine the steps taken from writing code to execution.**

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| **Link:** <https://github.com/LukeShead/Glossary-of-Tech-Terms/blob/master/README.md#9-steps-from-writing-to-execution-> |
| I believe this link justifies me passing this criteria as the glossary outlines the individual steps from writing the code to the execution. |

**Analyse the common features that a developer has access to in an IDE.**

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| **Link:** <https://github.com/LukeShead/Project-02#coding-standards-i-use> **IDE section,**  **Link:** <https://github.com/LukeShead/Project-02#debugging> **Debugging section,** |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**Use the IDE to manage the development process of the program.**

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| **Link:** <https://github.com/LukeShead/Project-02#the-ide-and-implementation> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**Evaluate how the debugging process can be used to help develop more secure, robust applications.**

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| **Link:** <https://github.com/LukeShead/Project-02#debugging> **Debugging section.** |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**Examine the implementation of an algorithm in a suitable language. Evaluate the relationship between the written algorithm and the code variant.**

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| **Link** <https://github.com/LukeShead/Project-02#planning-the-project> **Planning the Project section, paragraph 5.** |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**Critically evaluate the source code of an application which implements the programming paradigms, in terms of the code structure and characteristics.**

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| **Link:** <https://github.com/LukeShead/Project-02#planning-the-project> **Planning the Project section, paragraph 4.** |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**Evaluate the use of an IDE for development of applications contrasted with not using an IDE.**

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| **Link:** <https://github.com/LukeShead/Project-01#the-ide-i-used-to-design-this-product-is-the-original-notepad>  **Link:** <https://github.com/LukeShead/Project-01#debugging> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**Critically evaluate why a coding standard is necessary in a team as well as for the individual.**

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| **Link:** [**https://github.com/LukeShead/Project-01/blob/master/README.md**](https://github.com/LukeShead/Project-01/blob/master/README.md) **Coding standards section.**  **Link:** <https://github.com/LukeShead/Project-02#coding-standards-i-use> **Coding standards.** |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |